

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : C07K 14/37, C12Q 1/68, G06F 17/30, 19/00		A2	(11) International Publication Number: WO 00/56762 (43) International Publication Date: 28 September 2000 (28.09.00)
(21) International Application Number: PCT/US00/07781 (22) International Filing Date: 22 March 2000 (22.03.00) (30) Priority Data: 09/273,623 22 March 1999 (22.03.99) US (71) Applicants: NOVO NORDISK BIOTECH, INC. (US/US); 1445 Drew Avenue, Davis, CA 95616 (US). NOVO NORDISK A/S [DK/DK]; Novo Alle, DK-2880 Bagsvaerd (DK). (72) Inventors: BERKA, Randy, M.; 3609 Modoc, Davis, CA 95616 (US). REY, Michael, W.; 605 Robin Place, Davis, CA 95616 (US). SHUSTER, Jeffrey, R.; 2619 Regatta Lane, Davis, CA 95616 (US). KAUPPINEN, Sakari; Norskekrogen 12, DK-2765 Smørum (DK). CLAUSEN, Ib, Groth; Pyyrestien 6, DK-3400 Hillerød (DK). OLSEN, Peter, Bjarke; Svendborggade 8, 4tv, DK-2100 Copenhagen (DK). (74) Agents: ZELSON, Steve, T. et al.; Novo Nordisk of North America, Inc., 405 Lexington Avenue, Suite 6400, New York, NY 10174 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published Without international search report and to be republished upon receipt of that report.	
(54) Title: METHODS FOR MONITORING MULTIPLE GENE EXPRESSION			
(57) Abstract The present invention relates to methods for monitoring differential expression of a plurality of genes in a first filamentous fungal cell relative to expression of the same genes in one or more second filamentous fungal cells using microarrays containing filamentous fungal expressed sequenced tags. The present invention also relates to filamentous fungal expressed sequenced tags and to computer readable media and substrates containing such expressed sequenced tags for monitoring expression of a plurality of genes in filamentous fungal cells.			